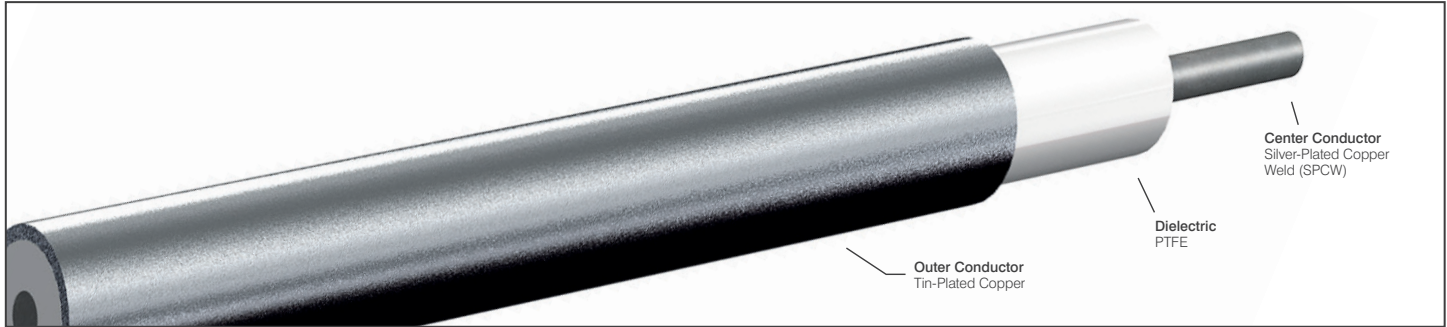


## Semi-Rigid Coaxial Cables

P/N UT-020-13-TP | 13 Ω Tin-Plated Copper Outer Conductor

### INTRODUCTION



With impedances from 5 to 100 Ω and diameters from 0.020 to 0.250", our odd-impedance semi-rigid cables are the right solution for any impedance-matching requirement.

### DIMENSIONS

DIMENSIONS		
Outer Conductor Diameter	in	0.023 + 0.002 /-0.001
	mm	0.584 + 0.051 /-0.025
Center Conductor Diameter	in	0.0126
	mm	0.3200
Length (Maximum)	Feet	10
	Meter	3.05

### MATERIALS

Outer Conductor	Copper
Outer Conductor Plating	Tin
Dielectric	PTFE
Center Conductor	SPCW
RoHS Compliant	✓

### MECHANICAL CHARACTERISTICS\*

Outer Conductor Integrity Temp.	°C	125
Operating Temperature (Max)	°C	100
Inside Bend Radius (Minimum)	in	0.050
	mm	1.270
Weight	lbs / 100ft	0.13
	kg / 100m	0.20

\* Applicable at room temperature. Contact factory for performance over temperature range.

### ELECTRICAL CHARACTERISTICS\*

Characteristic Impedance	ohm	13
Capacitance	pF / ft	111.6
	pF / m	366.0
Corona Extinction Voltage	VRMS @ 60 Hz	200
Voltage Withstanding	VRMS @ 60 Hz	250
Higher Order Mode Frequency	GHz	178.0
Attenuation (Db / 100 Ft Typical)	@ 0.5 GHz	112.2
	@ 1.0 GHz	158.9
	@ 5.0 GHz	357.5
	@ 10.0 GHz	508
	@ 18.0 GHz	685.4
	@ 26.5 GHz	835.5
	@ 40.0 GHz	1032.7
	@ 50.0 GHz	1159
Power (Watts Cw @ 20 °C, Maximum)	@ 65.0 GHz	1328.1
	@ 90.0 GHz	1574
	@ 0.5 GHz	5.4
	@ 1.0 GHz	3.8
	@ 5.0 GHz	1.7
	@ 10.0 GHz	1.2
	@ 18.0 GHz	0.9
	@ 26.5 GHz	0.7
	@ 40.0 GHz	0.6
	@ 50.0 GHz	0.5
@ 65.0 GHz	0.5	
@ 90.0 GHz	0.4	